

Manickam Bakthadoss

List of Publications by Year in descending order

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50
papers

862
citations

394421

19
h-index

526287

27
g-index

50
all docs

50
docs citations

50
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-State Melt Reaction for the Domino Process: Highly Efficient Synthesis of Fused Tetracyclic Chromenopyran Pyrimidinediones Using Baylis-Hillman Derivatives. <i>Organic Letters</i> , 2009, 11, 4466-4469.	4.6	62
2	Regioselective C ³ -H Trifluoromethylation of 2-H-Indazole under Transition-Metal-Free Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 7796-7803.	3.2	62
3	Highly regio- and diastereo-selective synthesis of novel tri- and tetra-cyclic perhydroquinoline architectures via an intramolecular [3 + 2] cycloaddition reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2870-2874.	2.8	39
4	Highly Stereoselective Synthesis of Tricyclic Chromenoisoxazolidines by Intramolecular 1,3-Dipolar Cycloadditions. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5825-5830.	2.4	37
5	Highly regio- and stereoselective synthesis of tricyclic frameworks using Baylis-Hillman derivatives. <i>Tetrahedron Letters</i> , 2008, 49, 820-823.	1.4	34
6	Multicomponent Cascade Assembly for Quinolinopyranpyrazole Architectures. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1505-1513.	2.4	34
7	A Direct Cycloaminative Approach to Imidazole Derivatives via Dual C-H Functionalization. <i>Organic Letters</i> , 2017, 19, 5014-5017.	4.6	30
8	Novel Regio- and Stereoselective Synthesis of Functionalized 3-Spiropyrrolidines and 3-Spiropyrrolidines Using the Baylis-Hillman Adducts Derived from Nitroolefins. <i>Synlett</i> , 2009, 2009, 1014-1018.	1.8	29
9	A novel synthesis of tetra and pentacyclic quinolinopyran tethered pyrazole/coumarin scaffolds via a solid state melt reaction. <i>RSC Advances</i> , 2014, 4, 11723.	3.6	28
10	Synthesis of Novel Vicinal Coumarin- and Oxindole-Functionalized Dispiropyrrolidines and Dispiropyrrolidines via [3+2]-Cycloaddition Reactions. <i>Synthesis</i> , 2012, 44, 793-799.	2.3	25
11	Highly stereo and chemoselective synthesis of tetra and pentacyclic frameworks using Solid-State Melt Reaction (SSMR). <i>Tetrahedron Letters</i> , 2014, 55, 1765-1770.	1.4	25
12	Synthesis, crystal structure analysis, spectral investigations, DFT computations, Biological activities and molecular docking of methyl(2E)-2-([N-(2-formylphenyl)(4-methylbenzene)sulfonamido]methyl)-3-(4-fluorophenyl)prop-2-enoate, a potential bioactive agent. <i>Journal of Molecular Structure</i> , 2016, 1108, 150-167.	3.6	25
13	Synthesis of benzoxepinyrrolidines/spiropyrrolidines via oxa-Pictet-Spengler and [3+2] cycloaddition reactions. <i>Tetrahedron Letters</i> , 2015, 56, 4980-4983.	1.4	24
14	1,3-Dipolar Cycloaddition on Baylis-Hillman Adducts: Novel Synthesis of Pyrrolidines, Spiropyrrolidines, and Spiropyrrolidines. <i>Synthesis</i> , 2011, 2011, 2136-2146.	2.3	23
15	One-Pot Synthesis of Benzothiazole-Tethered Chromanones/Coumarins via Claisen Rearrangement Using the Solid State Melt Reaction. <i>Journal of Organic Chemistry</i> , 2016, 81, 3391-3399.	3.2	23
16	Palladium catalyzed chemo- and site-selective C-H acetoxylation and hydroxylation of oxobenzoxazine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4465-4469.	2.8	23
17	(1R, 2R)-2-nitroxycyclohexan-1-ol: First example of a cyclohexyl based chiral auxiliary with nitroso function as diastereoface discriminating group. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 997-1000.	1.8	21
18	Stereoselective construction of functionalized tetracyclic and pentacyclic coumarinopyranpyrazole/pyrimidinedione/coumarin scaffolds using a solid-state melt reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5597-5601.	2.8	20

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19	Synthesis of highly diversified 1,2,3-triazole derivatives via domino [3 + 2] azide cycloaddition and denitration reaction sequence. <i>RSC Advances</i> , 2015, 5, 93447-93451.	3.6	20
20	Ruthenium-Catalyzed, Keto-Directed, Site-Selective C-H Activation of Diverse Chromanones with Alkenes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4439-4444.	2.4	20
21	Experimental and computational approaches of a novel methyl (2E)-2-([N-(2-formylphenyl)(4-methylbenzene)sulfonamido]methyl)-3-(4-chlorophenyl)prop-2-enoate: A potential antimicrobial agent and an inhibition of penicillin-binding protein. <i>Journal of Molecular Structure</i> , 2016, 1115, 33-54.	3.6	18
22	Ruthenium-Catalyzed Site-Selective Enone Carbonyl Directed <i>ortho</i> -C-H Activation of Aromatics and Heteroaromatics with Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2650-2658.	4.3	18
23	TANDEM CONSTRUCTION OF CARBON-CARBON AND CARBON-OXYGEN BONDS IN THE BAYLIS-HILLMAN CHEMISTRY: SYNTHESIS OF FUNCTIONALIZED <i>dl</i> -BIS-ALLYL ETHERS. <i>Synthetic Communications</i> , 2002, 32, 689-697.	2.1	17
24	Photocatalytic Visible-Light-Induced Nitrogen Insertion via Dual C(sp ³)-H and C(sp ²)-H Bond Functionalization: Access to Privileged Imidazole-based Scaffolds. <i>Organic Letters</i> , 2021, 23, 257-261.	4.6	17
25	First Friedel-Crafts Reaction of the Baylis-Hillman Adducts Derived from Nitroolefins: Application towards Synthesis of Pyrrolidines and Spiropyrrolidines. <i>Synlett</i> , 2011, 2011, 1296-1302.	1.8	15
26	First Synthesis of Bromo and Chloro Derivatives of Baylis-Hillman Adducts Derived from Nitroolefins: Application towards the Synthesis of a Dendrimer Core. <i>Synthesis</i> , 2011, 2011, 611-618.	2.3	14
27	Solvent and catalyst free ring expansion of indoles: a simple synthesis of highly functionalized benzazepines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8160-8168.	2.8	13
28	A novel protocol for the facile construction of tetrahydroquinoline fused tricyclic frameworks via an intramolecular 1,3-dipolar nitrile oxide cycloaddition reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10007-10014.	2.8	12
29	A distal vinyl shift (DVS) through quadruple domino reaction: synthesis of <i>N</i> -vinyl benzoheterocyclic scaffolds. <i>RSC Advances</i> , 2018, 8, 12152-12156.	3.6	12
30	Synthesis of Highly Functionalized Tricyclic Chromenopyrazole Frameworks <i>via</i> Intramolecular Azomethine Imine 1,3-Dipolar Cycloaddition (IAIDC). <i>ChemistrySelect</i> , 2018, 3, 6960-6964.	1.5	12
31	Intramolecular 1,3-Dipolar Nitrile Oxide Cycloaddition Using Baylis-Hillman Derivatives: Stereoselective Synthesis of Tricyclic Chromenoisoxazolines. <i>Synthesis</i> , 2012, 44, 755-766.	2.3	11
32	Diastereoselective construction of highly functionalized tetrahydroquinolinoisoxazole scaffolds via intramolecular nitron cycloaddition. <i>Tetrahedron Letters</i> , 2015, 56, 3954-3960.	1.4	11
33	Synthesis of a novel methyl(2E)-2-([N-(2-formylphenyl)(4-methylbenzene)sulfonamido]methyl)-3-(2-methoxyphenyl)prop-2-enoate: Molecular structure, spectral, antimicrobial, molecular docking and DFT computational approaches. <i>Journal of Molecular Structure</i> , 2017, 1127, 457-475.	3.6	10
34	Ruthenium catalyzed chemo and site-selective C-H amidation of oxobenzoxazine derivatives with sulfonyl azides. <i>New Journal of Chemistry</i> , 2019, 43, 14190-14195.	2.8	10
35	Triple domino reaction for the synthesis of pyrazole/indoline linked chromenes. <i>Tetrahedron</i> , 2018, 74, 490-496.	1.9	8
36	Rhodium-Catalyzed Diastereoselective [3 + 2] Cycloaddition of Carbonyl Ylide: An Access to the Core Ring System of Cordigol and Lophirone H. <i>Journal of Organic Chemistry</i> , 2020, 85, 15221-15231.	3.2	8

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37	A facile synthesis of isoxazolo[3,4-a]pyrrolizine and isoxazolo[4,3-c]pyridine derivatives via intramolecular nitrene cycloaddition reaction. <i>RSC Advances</i> , 2015, 5, 67206-67209.	3.6	7
38	Three Component, One-Pot Synthesis of Multifunctional Quinolinopyranpyrazoles via Catalyst-Free Multicomponent Reaction. <i>ChemistrySelect</i> , 2019, 4, 7996-7999.	1.5	7
39	Ruthenium-catalyzed, site-selective C-H activation: access to C5-substituted azaflavanone. <i>RSC Advances</i> , 2020, 10, 31570-31574.	3.6	6
40	Highly Regio- and Stereoselective Synthesis of Tetracyclic Indolenoisoxazolidines via Intramolecular 1,3-Dipolar Nitrene Cycloadditions. <i>Synthesis</i> , 2013, 45, 237-245.	2.3	4
41	A novel multicomponent quadruple/double quadruple domino reaction: highly efficient synthesis of polyheterocyclic architectures. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3884-3893.	2.8	4
42	A rearrangement involving a solid-state melt reaction for the synthesis of multifunctional tetrasubstituted olefins. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4767-4773.	2.8	4
43	Cascade annulation reaction (CAR): highly diastereoselective synthesis of pyranopyrazole scaffolds. <i>RSC Advances</i> , 2020, 10, 19003-19007.	3.6	4
44	Synthesis of functionalized cyclohexenols via a domino Michael addition-Dieckmann cyclization-isomerization reaction sequence. <i>Tetrahedron Letters</i> , 2015, 56, 3877-3881.	1.4	3
45	Two step, one-pot sequential synthesis of functionalized hybrid polyheterocyclic scaffolds via a solid state melt reaction (SSMR). <i>RSC Advances</i> , 2019, 9, 24314-24318.	3.6	3
46	Intramolecular [3 + 2] nitrene cycloaddition reaction: highly regio and diastereoselective synthesis of bicyclo[3.2.1]octane scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9653-9659.	2.8	3
47	Ester-directed orthogonal dual C-H activation and ortho aryl C-H alkenylation via distal weak coordination. <i>Chemical Communications</i> , 2022, 58, 1406-1409.	4.1	3
48	First Synthesis of Bis(di(indolyl)aryl)methanes From Bis(salicylaldehydes). <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 418-424.	2.6	2
49	Assembly of Highly Functionalized Chromenopyranpyrazoles via Multicomponent Quadruple Domino Reaction (MCQDR). <i>ChemistrySelect</i> , 2019, 4, 11822-11825.	1.5	1
50	Azomethine ylide cycloaddition of 1,3-dienyl esters: highly regio- and diastereoselective synthesis of functionalized pyrrolidinochromenes. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 778-782.	2.8	1